

CADDS DETAILING STANDARDS

SHEET FORMAT

Bridge plans prepared for ITD shall use the sheet format shown on page B17.3 of the Bridge Design Manual.

SHEET SCALE GUIDE

To increase the size of a 34" x 22" bordered sheet to fit over the smallest scaled object, set the active scale or "AS=" to the sheet size required.

<u>ACTIVE SCALE</u>	<u>SHEET SCALE</u>	<u>SHEET SIZE</u>
AS = 1200	1" = 100'	3400' x 2200'
AS = 720	1" = 60'	2040' x 1320'
AS = 600	1" = 50'	1700' x 1100'
AS = 480	1" = 40'	1360' x 880'
AS = 360	1" = 30'	1020' x 660'
AS = 240	1" = 20'	680' x 440'
AS = 120	1" = 10'	340' x 220'
AS = 60	1" = 5'	170' x 110'
AS = 4	3" = 1'	11'-4" x 7'-4"
AS = 8	1 1/2" = 1'	22'-8" x 14'-8"
AS = 12	1" = 1'	34'-0" x 22'-0"
AS = 16	3/4" = 1'	45'-4" x 29'-4"
AS = 24	1/2" = 1'	68'-0" x 44'-0"
AS = 32	3/8" = 1'	90'-8" x 58'-8"
AS = 48	1/4" = 1'	136'-0" x 88'-0"
AS = 64	3/16" = 1'	181'-4" x 117'-4"
AS = 96	1/8" = 1'	272'-0" x 176'-0"
AS = 128	3/32" = 1'	362'-8" x 234'-8"

Numbers are valid when MU = ft, SU = 12 in, & PU = 1600

TEXT & TERMINATOR SCALE GUIDE

Text size based upon equivalent Ames Lettering Guide. Font is "ROMANS" (15° slant). Font = 24

<u>SCALE</u>	<u>LT =TERM</u>	<u>#5</u>	<u>#6</u>	<u>#7</u>
<u>TS =</u>	<u>ft in</u>	<u>ft in</u>	<u>ft in</u>	<u>ft in</u>
1" = 100'	15.62	15 7.5	18 9	21 10.5
1" = 60'	9.37	9 7.5	11 2.5	13 1
1" = 50'	7.81	7 9.75	9 4.5	10 11.25
1" = 40'	6.25	6 3	7 6	8 2
1" = 30'	4.69	4 8.25	5 7.5	6 6.75
1" = 20'	3.12	3 1.5	3 9	4 4.5
1" = 10'	1.56	1 6.75	1 10.5	2 2.25
1" = 5'	0.78	0 9.375	0 11.25	1 1.125
3" = 1'	.05	0 0.625	0 0.75	0 0.875
1 1/2" = 1'	.10	0 1.25	0 1.5	0 1.75
1" = 1'	.16	0 1.875	0 2.25	0 2.625
3/4" = 1'	.21	0 2.5	0 3.0	0 3.5
1/2" = 1'	.31	0 3.75	0 4.5	0 5.25
3/8" = 1'	.42	0 5.0	0 6.0	0 7.0
1/4" = 1'	.63	0 7.5	0 9.0	0 10.5
3/16" = 1'	.83	0 10	1 0	1 2
1/8" = 1'	1.25	1 3	1 6	1 9
3/32" = 1'	1.67	1 8	2 0	2 4
1/16" = 1'	2.5	2 6	3 0	3 6

Numbers are valid when MU = ft; SU = 12inches; PU = 1600

- #5 Dimensioning text – including sheet index, Quantities, etc.
- #6 Titles for: Views, Lists, Diagrams, Data
- #7 Sheet Title

LEVELS, LINE WEIGHTS, AND COLORS

ITEM	LEVEL	WEIGHT	COLOR	LINE CODE
Object Lines	1	3	0	0
Break Lines	1	2	1	0
Construction Joints	1	1	3	0
Hidden Lines / Reference Lines	2	0	0	5
Rebar	3	2	6	0
Dimensioning Text / Notes	4	1	2	0
Dimensioning Lines	4	0	2	0
Subtitles / Sheet title	4	2/3	4	0
Detail Centerlines	5	0	4	7
Roadway Centerlines	5	1	4	7
Contour Lines (Major)	6	2	8	0
Contour Lines (Minor)	6	0	8	0
Riprap / Gabion	6	0	8	0
Cross Hatching Lines	7	0	10	0
Concrete Symbol	7	0	38	0
Active Points	8	4	14	0
Phantom Lines	9	1	11	6

COLOR	DESCRIPTION
0	White (Plots Black)
1	Blue
2	Chartreuse Green
3	Red
4	Yellow
5	Purple
6	Orange
7	Dark Brown
8	Light Brown
9	Blue-Green
10	Aqua Blue
11	Lavender
12	Lima Bean
13	Dark Blue
14	Faded Red
15	Faded Chartreuse
38	Tan
187	Gold Yellow

LINE CODE	DESCRIPTION
0	Continuous
1	Dot Dash
2	Medium Dash
3	Long Dash
4	Centerline (Long Dash/Short Dash)
5	Short Dash
6	Phantom Line (Long Dash/2 Short Dash)
7	Centerline (Long Dash/Medium Dash)

PLOT LINE THICKNESS-inches		
WEIGHT	22"x 34"	11"x 17"
0	0.0075	0.0035
1	0.0125	0.0060
2	0.0175	0.0075
3	0.0225	0.0110
4	0.0375	0.0180

Revisions:

June 2006 Article was renumbered to 17.4 to allow for new article 17.1.